AMENDMENT UNDER 37 C.F.R. §1.116

U.S.Appln. No.: 10/000,364

Attorney Docket No.: Q67528

**AMENDMENTS TO THE CLAIMS** 

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

(currently amended): A method of producing a phenol novolak resin having an 1.

ortho ratio of 30% or more according to the following method (1) or (2):

(1) a method of reacting a phenol and an aldehyde using an oxalic acid catalyst at 110 to

160°C under pressure;

(2) a method of reacting a phenol and an aldehyde under pressure while removing the

heat of reaction by a condenser with controlling a pressure so that water or an organic solvent

present in the reaction system is refluxed.

(original): The method of producing a phenol novolak resin according to Claim 1 2.

wherein the aldehyde is formaldehyde.

3. (canceled).

(currently amended): The method of producing a phenol novolak resin according 4.

to any one of Claims 1 to 3 wherein the ortho ratio of the phenol novolak resin is from 30 to

60%.

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5. (withdrawn): A method of producing a phenol novolak resin having an ortho ratio of 30% or more wherein a crude phenol novolak resin having an ortho ratio of less than 30% is heated at 110 to 180°C in the presence of a strong acidic catalyst.

- 6. (withdrawn): The method of producing a phenol novolak resin according to Claim 5 wherein the strong acidic catalyst is sulfuric acid, benzenesulfonic acid or toluenesulfonic acid.
- 7. (withdrawn): The method of producing a phenol novolak resin according to Claim 5 wherein the phenol novolak resin is an ortho-cresol novolak resin.
- 8. (withdrawn): The method of producing a phenol novolak resin according to any one of Claims 5 to 7 wherein the ortho ratio is from 30% to 50%.
- 9. (withdrawn): A method of improving the ortho ratio of a phenol novolak resin wherein a crude phenol novolak resin is heated at 110 to 180°C in the presence of a strong acidic catalyst.